

PAIUCC Meeting

Classroom Diagnostic Tools

September 17, 2010

Pennsylvania Department of Education

CDT Overview

The Classroom Diagnostic Tools provide a diagnosis of students' strengths and weaknesses to guide instruction and/or remediation.

- Available to students in grades 6 through high school
- Online assessments delivered in a Computer Adaptive Test (CAT) format
- Multiple-choice items
- Multiple assessments a year
- Real-time reporting
- Reports dynamically linked to curriculum resources in SAS

CDT Fall 2010

- Field Test Event for Science and Reading
 - Available to students in grades 4 through high school
 - Assesses content in Science and Reading grades 3-8, Biology, Chemistry, Literature
 - Multiple-Choice (MC) items
 - Single assessment – approximately 1 class period (45-60 minutes)
 - Student should be assigned to an assessment based on course/grade enrollment in the 2009-2010 school year
 - Field test results will be provided for participating districts
- Operational Mathematics Available to Schools –

★ October 18, 2010 ★

CDT Key Dates

Field Test and Operational Assessments		
	Field Test	Operational
Mathematics	April 26-May 28, 2010	October 18, 2010
Literature	October 4-29, 2010	Winter 2010/2011
Science	October 4-29, 2010	Winter 2010/2011
Writing/Composition	May 2011	Fall 2011
Social Studies	Fall 2012	Winter 2012/2013

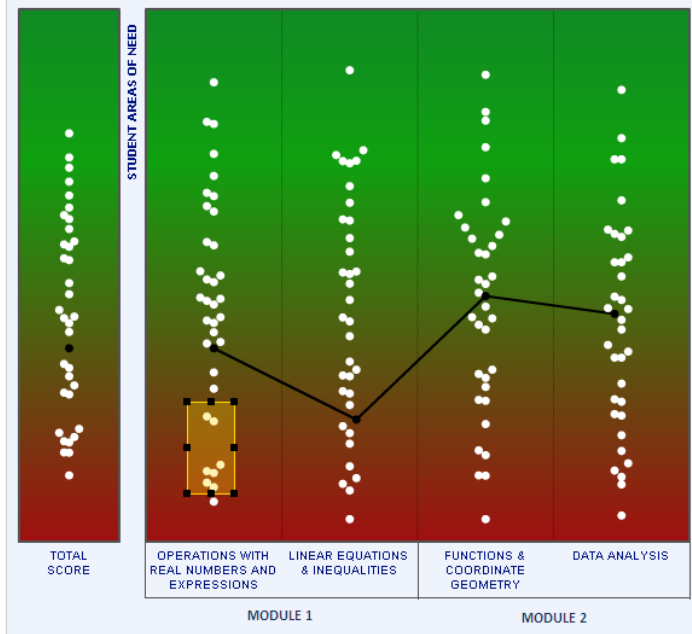
CDT Reporting

- Reporting for the CDT will be available on DRC's eDirect system
- Results will be linked to Materials and Resources on SAS
- Three types of reports will be provided
 1. Group Diagnostic Map
 2. Student Diagnostic Map
 3. Learning Progression Map

Group Diagnostic Map – Algebra I

Student Group Map
Individual Student Map
Learning Progression Map

Categories: (All) Skill Range: (All)



STUDENT AREAS OF NEED

MODULE 1

MODULE 2

TOTAL SCORE

OPERATIONS WITH REAL NUMBERS AND EXPRESSIONS

LINEAR EQUATIONS & INEQUALITIES

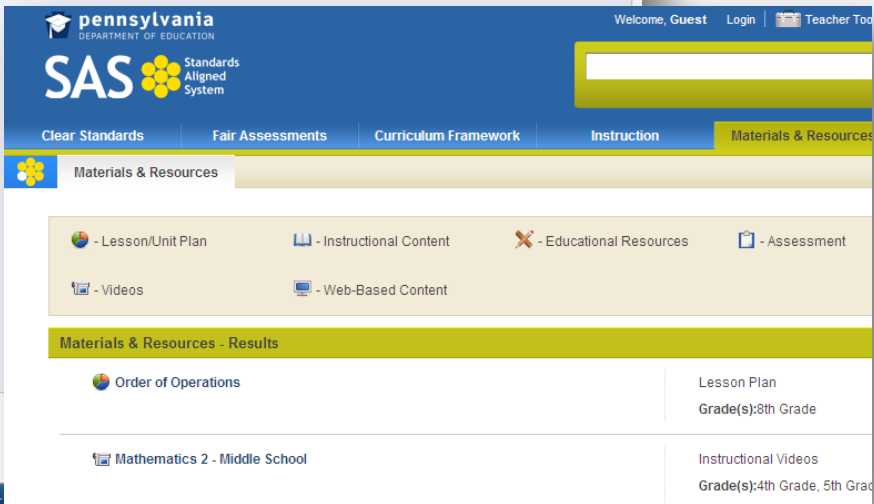
FUNCTIONS & COORDINATE GEOMETRY

DATA ANALYSIS

INSTRUCTIONAL STRATEGIES

This Report Shows at this stage that student(s) will benefit from enrichment in the following areas:

- M8.A.1.1.1:** Represent numbers using scientific notation and/or exponential forms.
- M8.A.2.1.1:** Simplify numeric expressions involving integers, using the order of operations.
- M8.A.3.1.1:** Identify, user and/or explain when it is appropriate to round up or round down.



Materials & Resources

Lesson/Unit Plan | Instructional Content | Educational Resources | Assessment

Videos | Web-Based Content

Materials & Resources - Results

Order of Operations | Lesson Plan | Grade(s):8th Grade

Mathematics 2 - Middle School | Instructional Videos | Grade(s):4th Grade, 5th Grade

Show Eligible Content

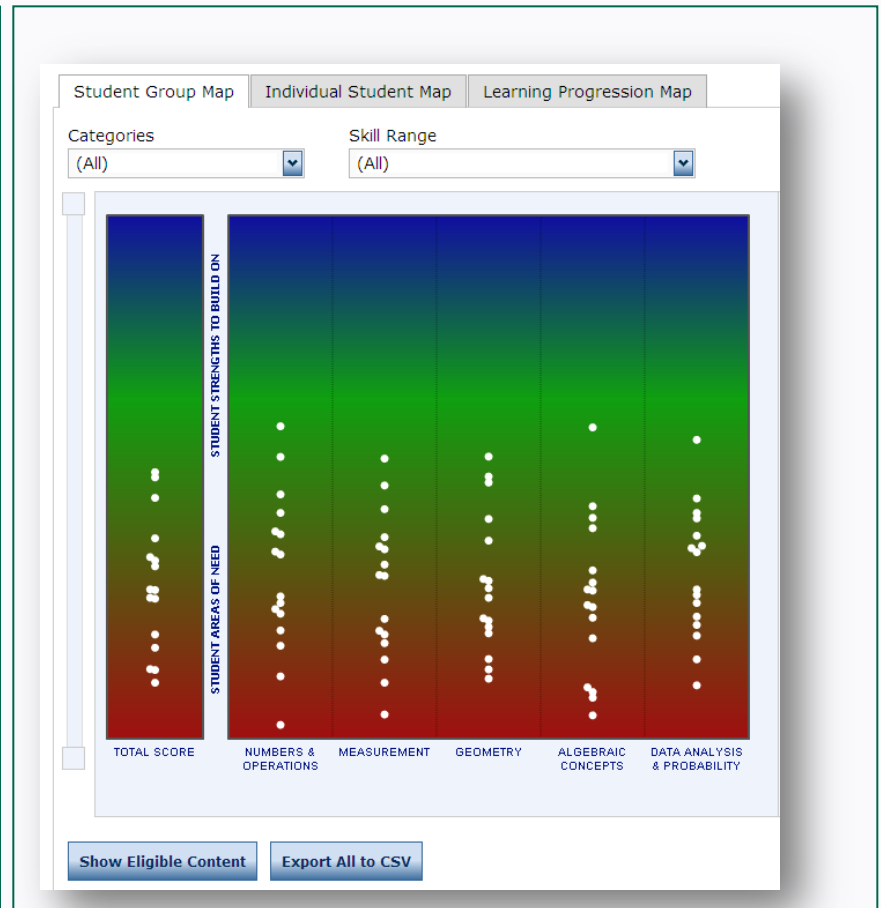
Export All to CSV

	First Name	Last Name	PAsecureID	Category0	Category1	Category2	Category3	Total	Test
<input type="checkbox"/>	SCOTT	ADAMS	2383297941	514	507	697	667	587	09/08/2010
<input type="checkbox"/>	ZACHARY	ADAMS	8126441046	754	558	530	731	628	09/08/2010

Group Diagnostic Map – Mathematics

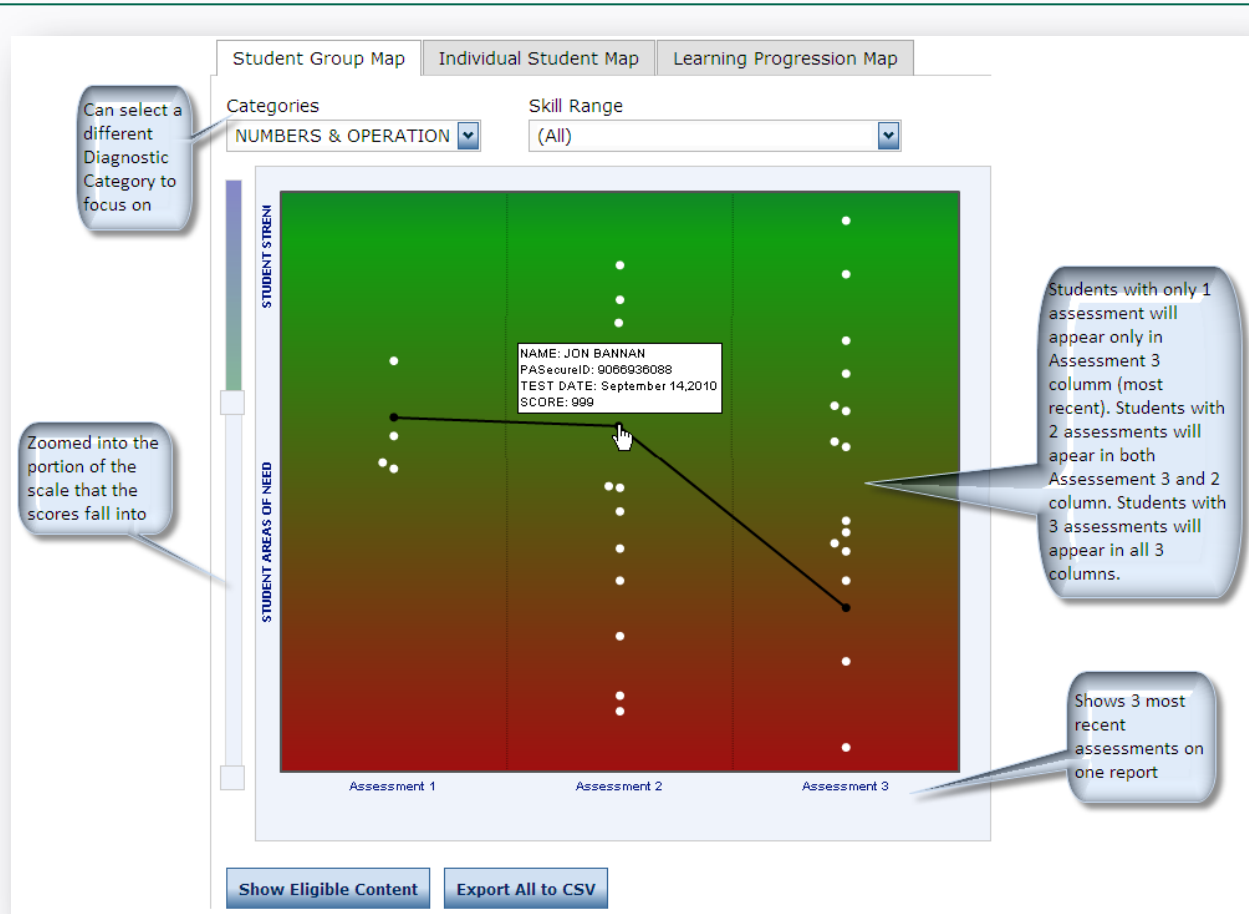
Zoomed In

Zoomed Out



Group Diagnostic Map

Single Diagnostic Category



Student Group Map Individual Student Map Learning Progression Map

Student
KERRI ALBERT (70%)

Domain	September 8, 2010 (Black Triangle)	May 8, 2011 (White Circle)
TOTAL SCORE	~15%	~45%
OPERATIONS WITH REAL NUMBERS AND EXPRESSIONS	~10%	~35%
LINEAR EQUATIONS & INEQUALITIES	~10%	~30%
FUNCTIONS & COORDINATE GEOMETRY	~5%	~55%
DATA ANALYSIS	~15%	~40%

STUDENT STRENGTHS TO

STUDENT AREAS OF NEED

MODULE 1

MODULE 2

▲ SEPTEMBER 8, 2010 ● May 8, 2011

INSTRUCTIONAL STRATEGIES

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- **M8.A.1.1.1:** Represent numbers using scientific notation and/or exponential forms.
- **M8.A.2.1.1:** Simplify numeric expressions involving integers, using the order of operations.
- **M8.A.3.1.1:** Identify, user and/or explain when it is appropriate to round up or round down.

pennsylvania
DEPARTMENT OF EDUCATION

SAS Standards Aligned System

Welcome, Guest Login

Clear Standards Fair Assessments Curriculum Framework Instruction Materials

Materials & Resources

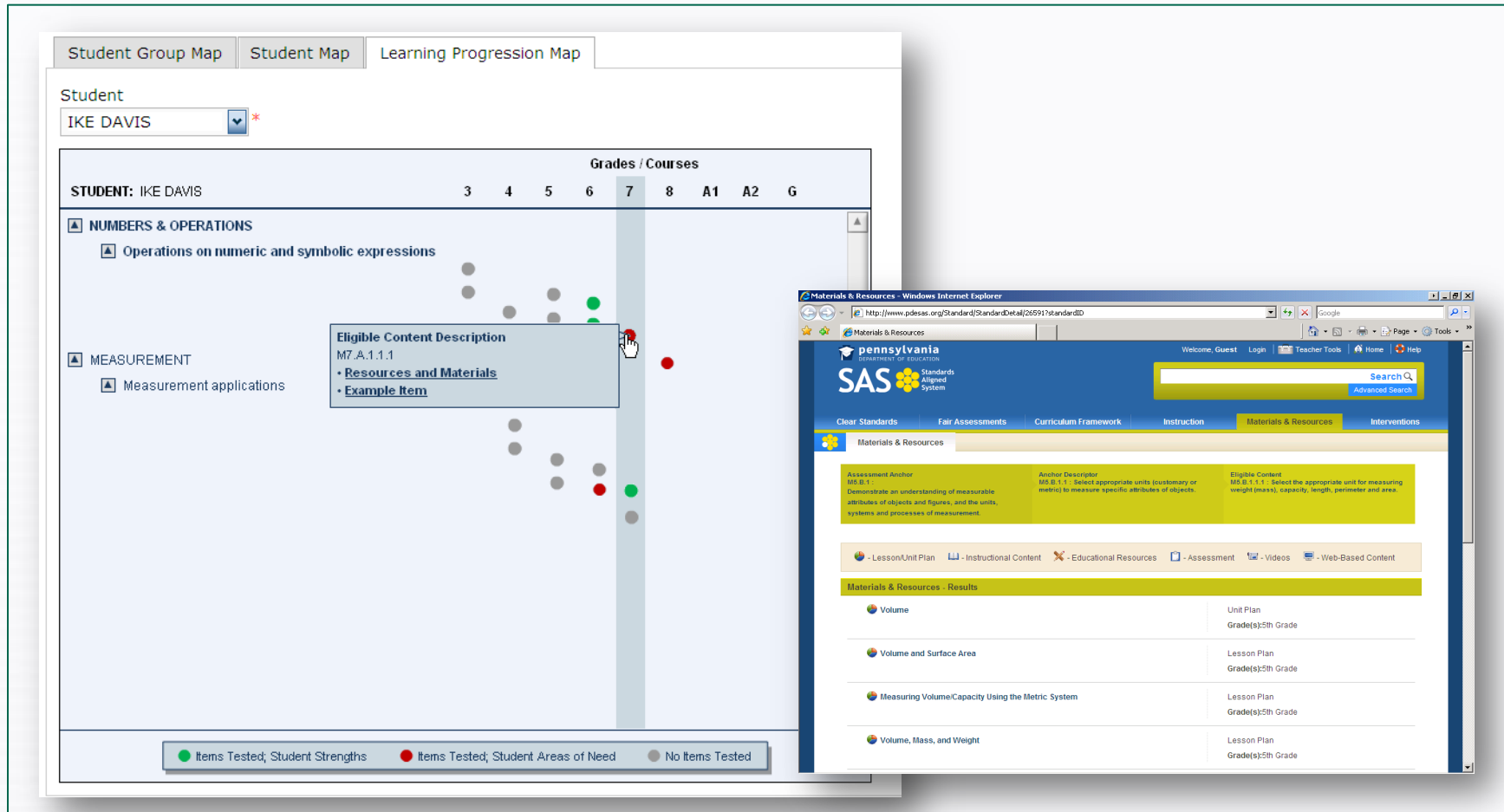
Lesson/Unit Plan Instructional Content Educational Resources Assessments

Videos Web-Based Content

Materials & Resources - Results

Order of Operations Lesson Plan

Learning Progression Map



Fall 2010 Field Tests -- Administrative Key Dates

Key Dates		
Description	Date Available	
	CDT	Keystone
PA Online Assessment Software	August 23	August 23
PA Online Assessment Test Tutorials	September 21	October 4
PA eDIRECT Test Setup System	September 13	September 13
PA eDIRECT District Student and Teacher file uploads available	September 13	September 13
CDT User Guide and Directions for Administration (electronically)	September 8	
CDT User Guide and Directions for Administration (hardcopy in districts and schools)	September 20	
Keystone Handbook, User Guide, and Directions for Administration (electronically)		September 20
Keystone Handbook, User Guide, and Directions for Administration (hardcopy in districts and schools)		October 18

Data Management

- PIMS data was uploaded to DRC's test setup system (eDIRECT)
 - Student-level data
 - Teacher-level data (not required for field test events)
- School/district personnel will use eDIRECT to set up and manage all online testing

Data Management

- For fall 2010, district personnel will be able to upload student and teacher data directly to eDIRECT
- Any student data updated or uploaded in eDIRECT must also be updated or uploaded in PIMS
- PIMS data and data uploaded into eDIRECT will be used to generate student Precode Labels (paper-pencil Keystone Exams)

Contact Information

Richard Maraschiello

c-rmarasch@state.pa.us

Phone: 717-525-5746

DRC Pennsylvania Customer Service Team

Phone: 1-888-551-6935

Fax: 763-268-2567

PAcustomerservice@datarecognitioncorp.com

Questions?